Recombinant Full Length Human AKR1E2 Protein, GST-tagged

Cat. No. AKR1E2-1372HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AKR1CL2 full-length ORF (AAH02862, 1 a.a. - 307 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	307 amino acids
Description	The protein encoded by this gene is a member of the aldo-keto reductase superfamily. Members in this family are characterized by their structure (evolutionarily highly conserved TIM barrel) and function (NAD(P)H-dependent oxido-reduction of carbonyl groups). Transcripts of this gene have been reported in specimens of human testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Molecular Mass	59.51 kDa
AA Sequence	MGDIPAVGLS SWKASPGKVT EAVKEAIDAG YRHFDCAYFY HNEREVGAGI RCKIKEGAVR REDLFIATKL WCTCHKKSLV ETACRKSLKA LKLNYLDLYL IHWPMGFKPP HPEWIMSCSE LSFCLSHPRV QDLPLDESNM VIPSDTDFLD TWEAMEDLVI TGLVKNIGVS NFNHEQLERL LNKPGLRFKP LTNQIECHPY LTQKNLISFC QSRDVSVTAY RPLGGSCEGV DLIDNPVIKR IAKEHGKSPA QILIRFQIQR NVIVIPGSIT PSHIKENIQV FDFELTQHDM DNILSLNRNL RLAMFPM

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AKR1E2 aldo-keto reductase family 1, member E2 [Homo sapiens]
Official Symbol	AKR1E2
Synonyms	AKR1E2; aldo-keto reductase family 1, member E2; AKR1CL2, AKRDC1, aldo keto reductase family 1, member C like 2; 1,5-anhydro-D-fructose reductase; MGC10612; hTSP; AF reductase; testis-specific protein; aldo-keto reductase loopADR; aldo-keto reductase related protein; aldo-keto reductase family 1, member C-like 2; aldo-keto reductase family 1 member C-like protein 2; AKRDC1; AKR1CL2; LoopADR
Gene ID	83592
mRNA Refseq	NM_001040177
Protein Refseq	NP_001035267
MIM	617451
UniProt ID	Q96JD6

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA